10,000 — February, 1947 — (A3927)
Circular H.S. 1

OHEC
373.12912
O59DE/C

ONTARIO

Department of Education

REGISTRAR'S VAULT
OFFICIAL DOCUMENT
NUMBER 2
SECTION O SHELF 1
MUST BE RETURNED TO
ROOM N — 224

INSTRUCTIONS

relating to

SUBJECTS OF STUDY

for

GRADES IX, X, XI, XII AND XIII

in

COLLEGIATE INSTITUTES, HIGH, VOCATIONAL AND CONTINUATION SCHOOLS

and for

GRADES IX AND X

in

PUBLIC AND SEPARATE SCHOOLS

1947 - 1948

Issued by Authority of
The Minister of Education

SUBJECTS OF STUDY

The time allotment suggested for both 40- and 45-period weeks represents an estimate of the relative importance of the various subjects of study in each of the courses. The Principal is not required to adhere rigidly to the number of periods set forth; special modifications of the time allotment to suit local conditions may be made.

GRADE IX

GENERAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English, including Spelling	6	7
Social Studies	6	7
Physical and Health Education and Cadet Training	5	5
Mathematics	5	5
General Science or Agricultural Science	4	5
French	4	5
Shop Work or Home Economics	4	4
Art or Music or Art and Music	4	4
Guidance (Occupations)	2	2
	40	44

Note 1.—Re Schools with Departments of Agriculture.

In schools with Departments of Agriculture it is suggested that a 50-period week be used but that the number of periods allotted to the regular subjects be that outlined for the 45-period week. This plan will permit the allotment of five periods to the additional practical work.

VOCATIONAL COURSES

In Secondary Schools having vocational departments, pupils may be offered one of the following courses:

1. The Grade IX General Course as detailed above with approximately 10% of the total time allotted to Shop Work or Home Economics.

Vocational grants do not apply on the salaries of teachers of these classes except where vocational grants on the salaries of Shop and Home Economics teachers are paid in lieu of the graded grants on General Shop and Home Economics.

OR

2. The Grade IX Vocational Course in which the time allotted to the teaching of the practical subjects of any one of the Industrial, Agricultural, Home Economics, Commercial or Art Courses shall not be less than 25% of the total time.

The additional time required for these practical subjects should be obtained by reducing the time allotment suggested in the remaining subjects of the Grade IX General Course. In the Grade IX Vocational Course, French is not an obligatory subject.

Vocational grants will apply on the salaries of all teachers in these classes.

Note 1.—The practical subjects of the Commercial Course shall be Typewriting, Penmanship and Business Practice.

Note 2.—The practical subjects of the Industrial Course shall be Drafting and any three of the other Shop courses.

GRADE X

GENERAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	7	7
Social Studies	6	6
Physical and Health Education and Cadet Training	5	5
Options—Any four or five of Mathematics, General Science or Agricultural Science, Latin, French, Shop Work or Home Economics, Commercial Work, German or Spanish or Greek, Art or Music or Art and Music, Agriculture	22	26
	40	44

Note 1.—If Greek or Spanish or German is selected as a fifth option, not more than three periods per week should be allotted.

Note 2.—In schools with Departments of Agriculture, a 50-period week is suggested and pupils may carry Agriculture as a sixth option.

Note 3.—With the approval of the Principal a pupil who is not a candidate for an Intermediate Certificate may select fewer than four options.

INDUSTRIAL OR AGRICULTURAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	7	7
Social Studies	5	6
Physical and Health Education and Cadet Training	5	5
Mathematics	5	5
Science or Agricultural Science	4	5
Shop Work or Agriculture and Shop Work	10	12
Options—Any one of Art or Music or Art and Music, Drafting, French	4	4
	40	44

HOME ECONOMICS COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	7	7
Social Studies	5	6
Physical and Health Education and Cadet Training	5	5
Home Economics	14	16
Options—Any two of Mathematics, Science or Agricultural Science, French, Music and/or Art, Commercial Work	9	10
	40	44

COMMERCIAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	7	7
Social Studies	5	6
Physical and Health Education and Cadet Training	5	5
Business Arithmetic	3	4
Commercial Subjects	16	18
Options—Any one of French, Shop Work or Home Economics, Art or Music or Art and Music, Science or Agricultural Science	4	4
	40	44

ART COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	7	7
Social Studies	5	6
Physical and Health Education and Cadet Training	5	5
Art	14	17
Options—Any two of Mathematics, Science, Shop Work or Home Economics, French, Music	9	9
	40	44

GRADES XI AND XII

GENERAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	7	7
History	4	5
Physical and Health Education and Cadet Training	5	5
Options—Any four or five of Mathematics, Science or Agricultural Science, Geography, French, Latin, German, Greek, Spanish, Italian, Commercial Work, Shop Work or Home Economics, Art or Music or Art and Music, Agriculture	24	27
	40	44

INDUSTRIAL OR AGRICULTURAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	5	6
History and Elements of Economics	4	4
Physical and Health Education and Cadet Training	5	5
Mathematics	4	5
Science or Agricultural Science	4	4
Shop Work or Agriculture and Shop Work	14	16
Options—Any one of Art or Music or Art and Music, Drafting, French	4	4
	40	44

HOME ECONOMICS COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	6	7
History and Elements of Economics	4	4
Physical and Health Education and Cadet Training	5	5
Science or Agricultural Science or Art	4	4
Home Economics	17	19
Options—Any one of French, Mathematics, Music, Commercial Work, Science or Art (if not taken as an obligatory subject)	4	5
	40	44

COMMERCIAL COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English, including Correspondence	7	8
History and Elements of Economics	4	4
Physical and Health Education and Cadet Training	5	5
Commercial Subjects	16-20	19-23
Options—Any one or two of Mathematics, French, Art, Music, Science, Home Economics or Shop Work, Merchandising	4-8	4-8
	40	44

ART COURSE

Obligatory Subjects	Number of Periods 40-period week	45-period week
English	5	6
History	4	4
Physical and Health Education and Cadet Training	5	5
Art and Crafts	22	25
Options—Any one of Science, Mathematics, Shop Work or Home Economics, Music, French	4	4
	40	44

GRADE XIII

GENERAL COURSE

Obligatory Subject

Physical and Health Education and Cadet Training

Optional Subjects

English (Literature, Composition)	Physics	Greek
Algebra	Chemistry	French
Geometry	Botany	German
Trigonometry and Statics	Zoology	Spanish
History	Latin	Italian
		Music

Additional subjects recommended by the local authorities and approved by the Minister.

CERTIFICATES AND DIPLOMAS

An **Intermediate Certificate** will be granted, on the recommendation of the Principal of a Collegiate Institute, a High, Continuation or Vocational School, or on the recommendation of the Principal of a Public or Separate School, with the approval of the Inspector concerned, to a pupil who has completed successfully the course of study prescribed for Grade IX and one of the courses of study prescribed for Grade X, or such modifications of the Grade IX and Grade X courses as the Minister may approve.

A **Secondary School Graduation Diploma** will be granted, on the recommendation of the Principal of a Collegiate Institute, a High, Continuation or Vocational School, to a pupil who has completed successfully one of the courses of study prescribed for Grades XI and XII, or such modifications of these courses as the Minister may approve at the beginning of the school year.

The various types of Secondary School Graduation Diploma are designated as follows:

General

General—with one additional option

Agriculture

Art

Commercial
- Accountancy
- General Business
- Merchandising
- Secretarial
- Special

Home Economics
- Food and Nutrition
- Clothing and Textiles
- Salesmanship

Industrial
- Aircraft Mechanics
- Applied Electricity
- Applied Electronics
- Auto Mechanics

Industrial (continued)
- Chemistry
- Drafting—Architectural and Building Construction
- Drafting—Mechanical
- Fine Instrument Practice
- Foundry Practice
- Machine Shop Practice
- Mining
- Plumbing
- Printing
- Sheet Metal Practice
- Watch Making
- Welding
- Woodworking—Cabinet Making
- Woodworking—Carpentry
- Woodworking—General
- Woodworking—Pattern Making

Note 1.—The Minister may grant the Secondary School Graduation Diploma of the general course to a pupil who has taken a double option in Art, Commercial Work, Home Economics, Shop Work or Music instead of two different options where:

(a) no vocational course in the subject is offered in the same school;

(b) at the beginning of the school year the principal obtains the Minister's approval of the double option;

(c) the time allotted to the double option in each grade is equivalent to the time allotted to two different options;

(d) the work covered by the double option is on the level of Grades XI and XII and is equivalent to twice the work of the single option in each of these grades;

(e) the teacher who instructs in the work covered by the double option has qualifications satisfactory to the Minister; and

(f) the high school accommodations and equipment are satisfactory to the Minister,

and the diploma shall indicate the double option taken.

Note 2.—The Minister may grant a Secondary School Graduation Diploma, with a designation depending upon the circumstances, to a pupil who has successfully completed three years of a course in one department followed by the successful completion of a year's work in another department, but only where the content of the fourth year's work is satisfactory to the Minister.

Note 3.—The Minister may grant a Secondary School Graduation Diploma to a pupil who has not taken all the options in the prescribed course, provided that the Principal certifies that the pupil has completed successfully a four-year Secondary School course consisting of the obligatory subjects and three options of the general course. This diploma will indicate that only three options have been taken.

It should be drawn to the attention of pupils that the three-option diploma of the general course is not accepted as meeting the Middle School (Grades XI and XII) requirements for admission to Universities or to Training Schools for Nurses.

Note 4.—The Minister may grant a Secondary School Graduation Diploma to a pupil who has completed satisfactorily one of the courses of study prescribed for Grades XI and XII, other than the General Course, under a co-operative plan whereby part of the Grade XII course is taken in industry or business, provided that at the beginning of the school year the Principal obtains the Minister's approval of such plan.

A **Secondary School Honour Graduation Diploma** will be issued, on the recommendation of the Principal of a Collegiate Institute, a High, Continuation or Vocational School, to a pupil who has completed successfully a course of study prescribed for Grade XIII and has obtained eight credits in the optional subjects. Standing in History, Algebra, Geometry, Trigonometry and Statics, Physics, Chemistry, Botany, Zoology, and Music will each count as **one** credit. Standing in English and the other languages will each count as **two** credits.

Applications for Intermediate Certificates and Graduation Diplomas will be made by the Principals concerned upon forms to be supplied by the Department of Education.

GENERAL INFORMATION

Note 1.—**Re Time Allotment in Certain Schools.**
In Fifth Classes, Continuation Schools, High Schools and Collegiate Institutes, where provision has not been made for the teaching of Home Economics and General Shop Work, the time on the programme allotted to these subjects may be divided among the other subjects.

Note 2.—**Re History in Vocational Schools.**
In Vocational Schools, classes in Grades XI and XII will take the course in History of Commerce and Industry.

Note 3.—**Re Middle School English and Other Languages.**

The Middle School courses in English and in each of the other languages are progressive in character and of two years' duration. In each of these subjects the final standing shall be determined at the end of Grade XII and shall be reported to the Department by a single percentage mark.

Note 4.—**Re Commercial Courses.**

In Commercial Departments of Collegiate Institutes and High and Continuation Schools, the prescribed courses for Grades X, XI and XII are those of the Vocational Commercial Departments. If the number of pupils enrolled in Grades XI and XII of the Commercial Departments is too small to justify separate classes in History of Commerce and Economics, such pupils may be grouped with the classes in History of the General Course.

Note 5.—**Re Modern History, Grade XII.**

The Modern History Course of Grade XII will be the revised course as printed in Circular H.S. 20(a), 1947. This revised course is to be used in conjunction with the course as outlined in Courses of Study, Grades XI and XII, Social Studies, History, printed in 1942, and in Circular H.S. 20, printed in 1946. It will be noted that the booklet "Canadian Democracy in Action" is no longer a prescribed text since this work was studied by the present pupils of Grade XII when they were enrolled in Grade X.

Note 6.—**Re Guidance.**

The Grade IX Course of Study in Occupations for the school year 1947-48 will be that outlined in Circular H.S. 21 as revised in 1947. With the approval of the Minister, the course may be modified, depending upon local conditions.

It is suggested that group work in Guidance (Occupations) should be carried on for a minimum of one period a week in Grade XII in addition to the individual work which will be carried on in all grades.

Note 7.—**Re Physical and Health Education and Cadet Training.**

Physical and Health Education and Cadet Training is an obligatory subject in all grades of all Secondary Schools. With the approval of the Minister, the course may be modified, depending upon local conditions.

Note 8.—**Re Agricultural Science and Agriculture.**

For information regarding grants, qualifications of teachers and organization of courses see—"Recommendations and Regulations for the Establishment, Organization and Management of Courses in Agricultural Science and Agriculture (Circ. Agric. 6)."

Note 9.—**Re Mathematics of Grades IX and X.**

In September, 1946, a pamphlet (Circular H.S. 12A) was issued indicating a possible order of topics and an allotment of time for each topic for the guidance of teachers of Mathematics in Grades IX and X. The time allotment is based upon five periods in Grade IX and six periods in Grade X in a 45-period week.

Note 10.—**Re Grade XIII Mathematics.**

At the Departmental Examinations in Mathematics candidates are required to use the 5-figure Mathematical tables published by the Ryerson Press. In order that pupils may not be handicapped in writing the Departmental Examinations, Principals might well consider the advisability of placing these authorized tables in the hands of their pupils for use throughout the year.

Note 11.—**Re Grade XIII Physics.**

At the 1948 Departmental Examinations in Physics, candidates may use the 5-figure Mathematical tables published by the Ryerson Press. Teachers of Grade XIII Physics should, therefore, encourage the use of these authorized tables in their classes during the school year 1947-48.